

REMARKS

This Amendment A is responsive to the first Office Action mailed July 22, 2005. Applicants respectfully ask for allowance of claims 1-10, 13-15, and 17-20 as set forth herein.

The Status of the Claims

Claims 1-3, 6-8, 11-16, 18, and 20 stand rejected under 35 U.S.C. § 102(b) as anticipated by Schoniger et al., U.S. Patent No. 5,136,483 (hereinafter "Schoniger").

Claims 4, 5, 9, 10, 17, and 19 are indicated as containing allowable subject matter.

Claims 10, 17, and 19, which were indicated as containing allowable subject matter, have been placed into independent form and should be allowed

Claim 10, which was indicated in the Office Action as containing allowable subject matter, has been placed into independent form incorporating the elements of canceled base claims 1 and 7.

Claims 17 and 19, which were indicated in the Office Action as containing allowable subject matter, have been placed into independent form incorporating the elements of canceled base claim 16. Claims 13-15 have been made dependent from claim 19. Claims 18 and 20 have been made dependent from claim 17.

It is respectfully submitted that claims 10, 13-15, and 17-20 as set forth herein are in condition for allowance at least because each base claim 10, 17, and 19 contains allowable subject matter. Accordingly, Applicants ask for allowance of claims 10, 13-15, and 17-20 as set forth herein.

Claims 1-9 patentably distinguish over the references

Claim 1 has been amended to call for a reflector comprising, among other elements, three or more intersecting curved reflective surfaces having at least three lines of intersection.

Amended claim 1 contains subject matter similar to that of claim 4 which was indicated as allowable, but omits the generally circular perimeter limitation of claim 3. Amended claim 1 calls for at least three lines of intersection, which is supported in the original specification at least by Figs. 1-3, 5, and 7 showing reflectors having three lines of intersection and reflectors having more than three lines of intersection.

Schoniger does not disclose or fairly suggest such a reflector. Schoniger Fig. 1 shows a reflector including a single planar reflective surface, which is not a curved reflective surface. Schoniger Fig. 3 shows a reflector including a single circularly symmetric conically convex curved reflective surface. This single curved reflective surface has no line of intersection. The point at the center of Fig. 3 is the conical point at the conically convex curved reflective surface.

Claims 4, 5, and 9 are amended to comport with the three or more intersecting curved reflective surfaces called for in amended claim 1. It is respectfully submitted that these claims continue to set forth allowable subject matter.

Claim 6 calls for the sidewall to include a thermally conductive material providing heat-sinking for associated light emitting elements disposed at the foci of the off-axis reflector segments. The annular cooling bodies (19) of Schoniger Fig. 3 are not part of the sidewall (16) of the reflector. Accordingly, far from anticipating claim 6, Schoniger teaches away from claim 6 by providing an alternative cooling structure that does not involve a thermally conductive material of the reflector sidewall.

CONCLUSION

Applicants respectfully submit that claims 1-10, 13-15, and 17-20 as set forth herein are in condition for allowance, and therefore request allowance of claims 1-10, 13-15, and 17-20 as set forth herein.

Respectfully submitted,

**FAY, SHARPE, FAGAN,  
MINNICH, & MCKEE, LLP**

*Robert M. Sieg*

Robert M. Sieg  
Reg. No. 54,446  
1100 Superior Avenue  
Seventh Floor  
Cleveland, Ohio 44114-2518  
(216) 861-5582